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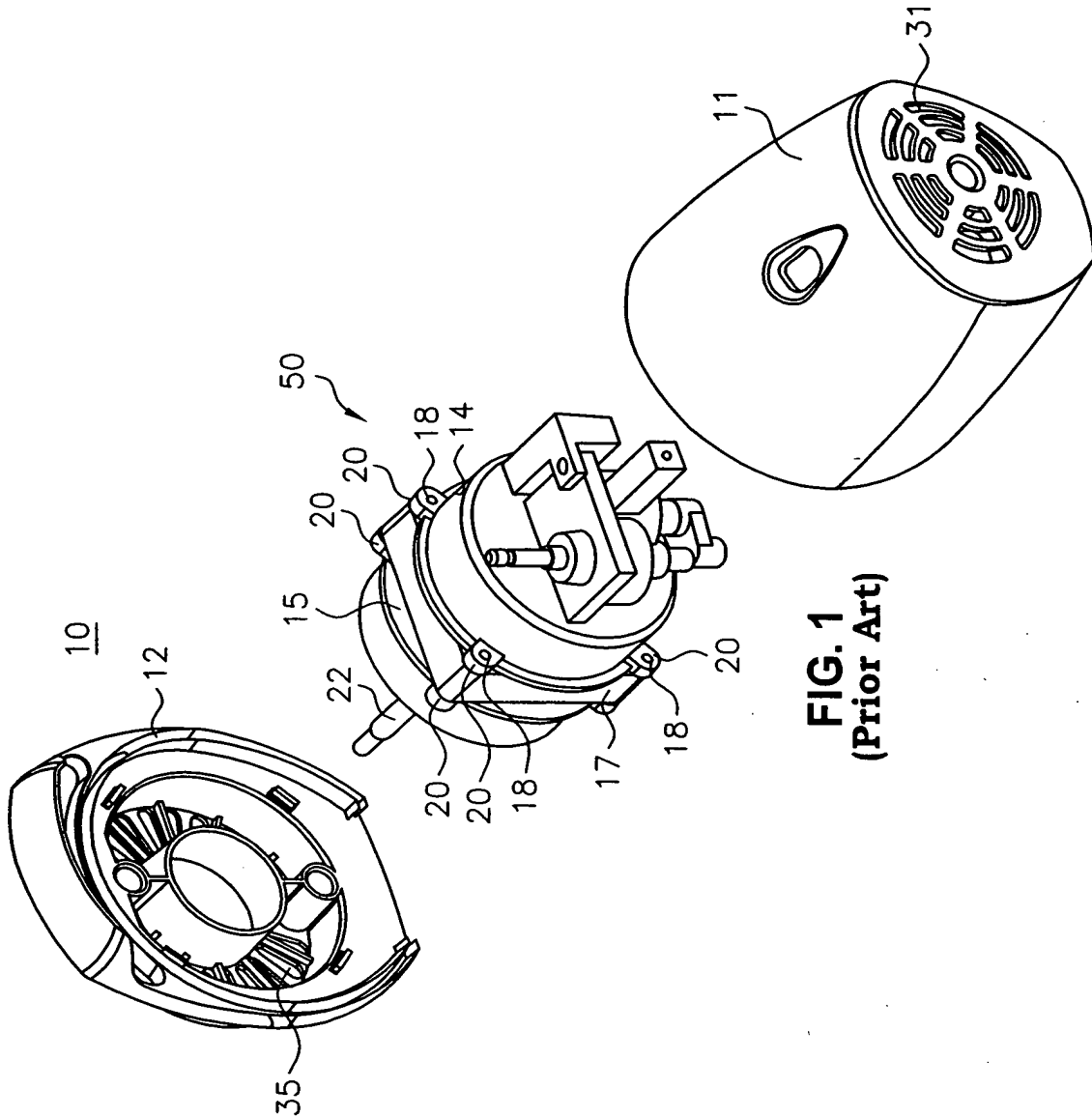


FIG. 1
(Prior Art)

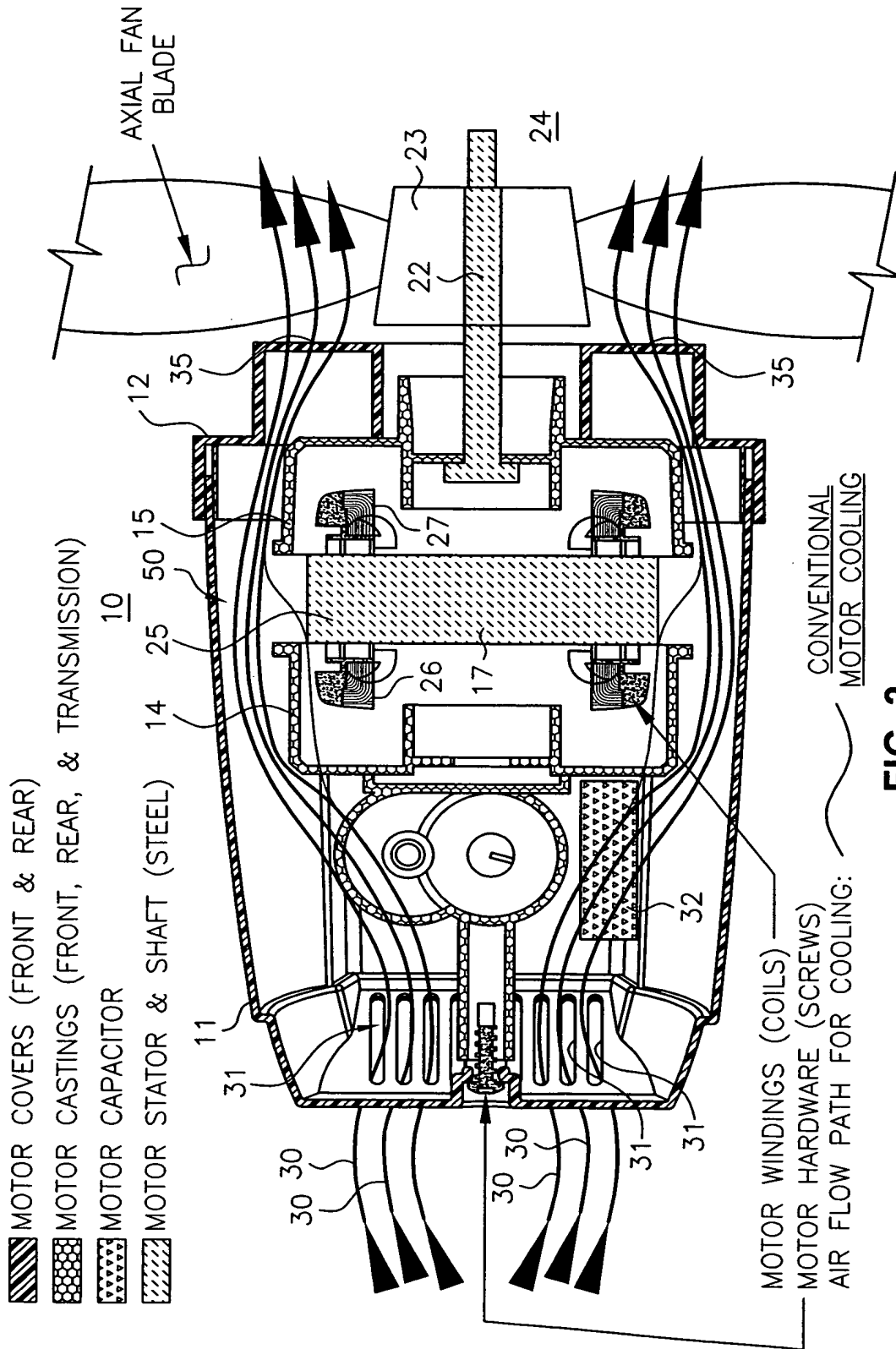
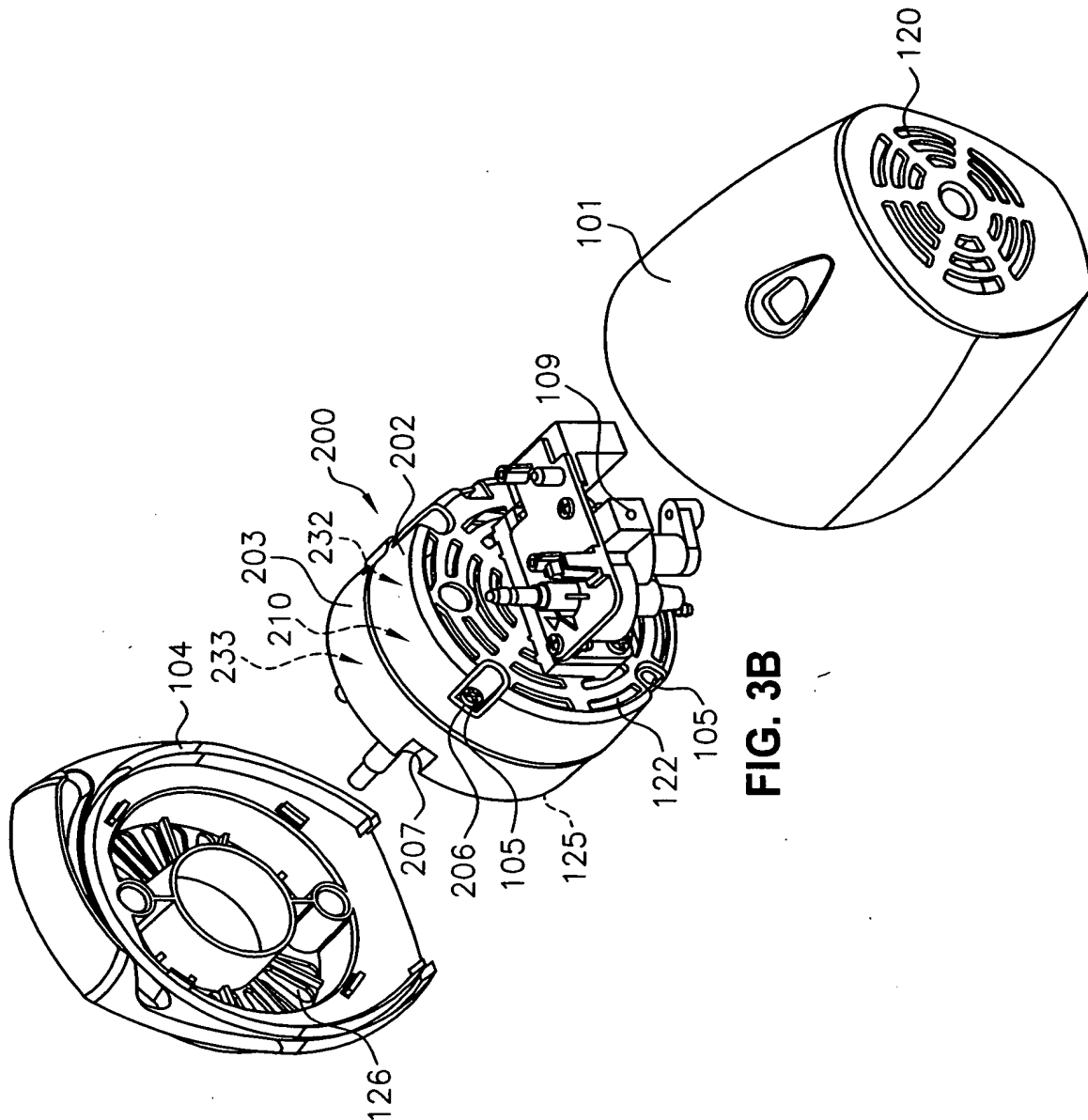


FIG. 2
(Prior Art)

FIG. 3A



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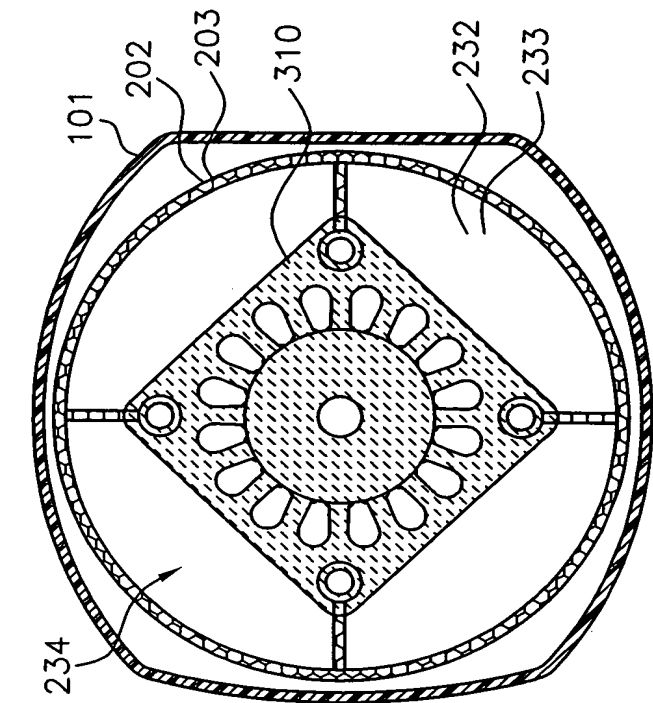


FIG. 3D

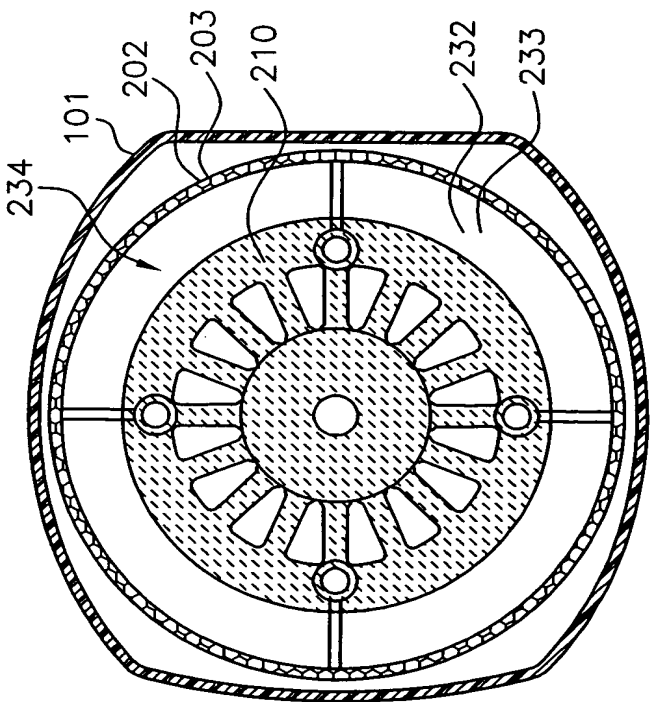
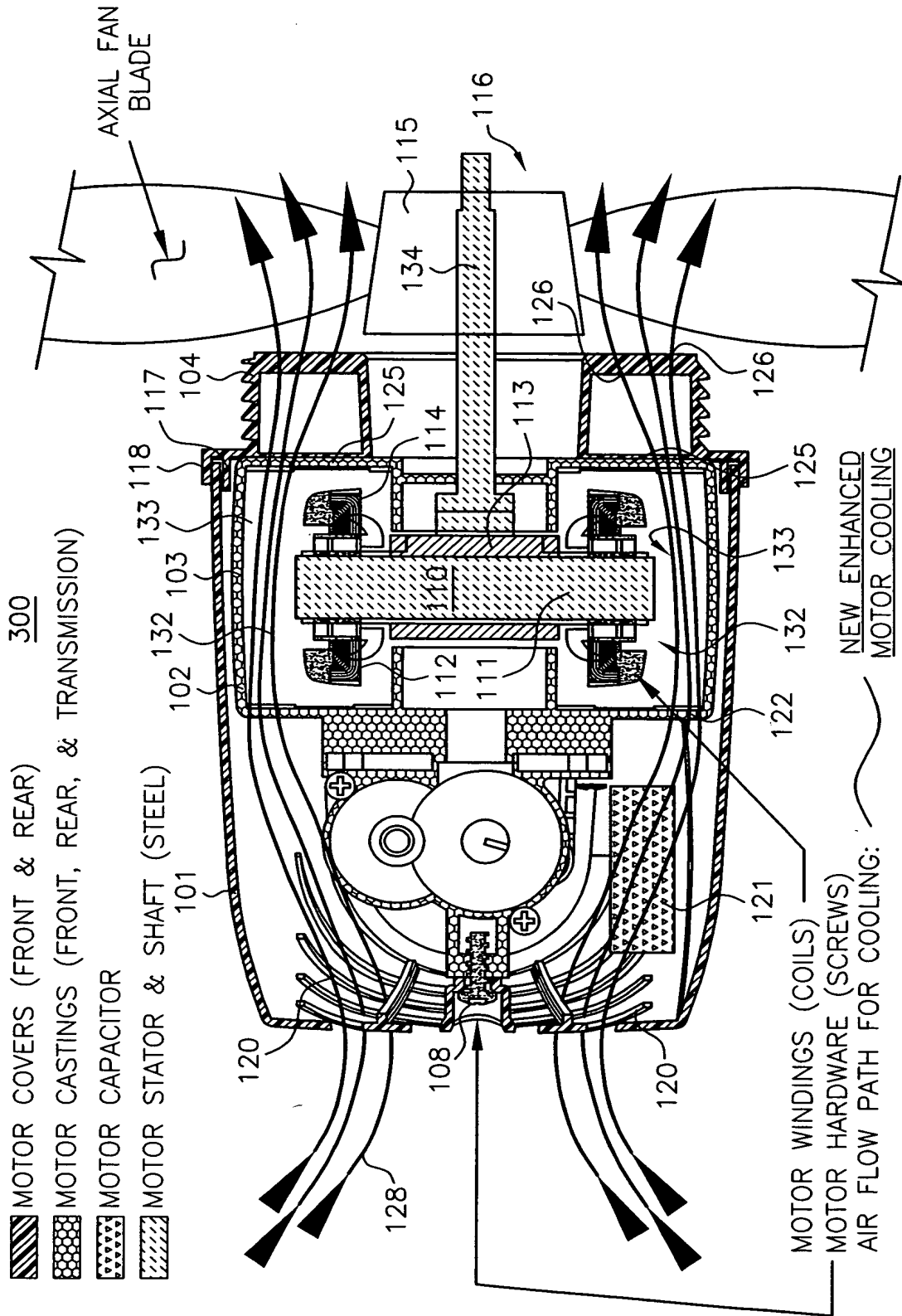


FIG. 3C

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FAN TEST DATA –MOTOR/FAN PERFORMANCE

PERFORMANCE LOADED

SPEED	RPM	AMPS	WATTS		%eff	TEMP	VOLTAGE		TORQUE in/oz			CFM
			in	out		$\Delta^{\circ}\text{C}$	start	cap	start	run	stall	
TEST 1	high	1118	1.030	114.1		70.58						
	med											
	low	771	0.606	72.1		64.03						
TEST 2	high											
	med											
	low											

TEMPERATURE RISE RESISTANCE												
Blade:18";5P;SLA;NINJA						Tare:0.400		Blade:		Tare:		
SPEED	RO Ω	TO $^{\circ}\text{C}$	RX Ω	TX $^{\circ}\text{C}$	TEMP $\Delta^{\circ}\text{C}$	SPEED	RO Ω	TO $^{\circ}\text{C}$	RX Ω	TX $^{\circ}\text{C}$	TEMP $\Delta^{\circ}\text{C}$	
TEST 1	high	39.77	21.9	50.53	21.4	70.58	TEST 2	high				
	med	66.05	21.9					med				
	low	87.86	21.9	109.60	21.6	64.03		low				

PERFORMANCE IDLE						LOCKED ROTOR					
SPEED	AMPS	WATTS	V	CAP	TEMP	TIME(min)	AMPS	WATTS	TEMP	TEMP	TIME(min)
		in			$\Delta^{\circ}\text{C}$	trip reset		in	$\Sigma^{\circ}\text{C}$	$\Delta^{\circ}\text{C}$	trip reset
high											
med											
low											

THERMOCOUPLE (LOC)			$\Sigma^{\circ}\text{C}$	$\Delta^{\circ}\text{C}$	THERMOCOUPLE (LOC)			$\Sigma^{\circ}\text{C}$	$\Delta^{\circ}\text{C}$
TOP FRONT COIL 27			96.90	75.50					
TOP REAR COIL 26			85.88	64.28					

FIG. 5

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FAN TEST DATA –MOTOR/FAN PERFORMANCE

PERFORMANCE LOADED													
SPEED	RPM	AMPS	WATTS		%eff	TEMP Δ °C	VOLTAGE		TORQUE in/oz			CFM	
			in	out			start	cap	start	run	stall		
TEST 1	high	1140	1.066	117.1		46.14							
	med												
	low												
TEST 2	high												
	med												
	low												
TEMPERATURE RISE RESISTANCE													
Blade: 18";5P;SLA;NINJA Tare: 0.400 Blade: Tare:													
SPEED	ROΩ	TO °C	RXΩ	TX °C	TEMP Δ °C	SPEED	ROΩ	TO °C	RXΩ	TX °C	TEMP Δ °C		
TEST 1	high	39.38	21.9	46.41	22.0	46.14	TEST 2	high					
	med		21.9					med					
	low		21.9					low					
PERFORMANCE IDLE						LOCKED ROTOR							
SPEED	AMPS	WATTS in	V	CAP	TEMP Δ °C	TIME(min) trip reset	AMPS	WATTS in	TEMP Σ °C TC	TEMP Δ °C	TIME(min) trip reset		
high													
med													
low													
THERMOCOUPLE (LOC)			Σ °C	Δ °C	THERMOCOUPLE (LOC)			Σ °C	Δ °C				
TOP FRONT COIL 114			67.80	44.80									
TOP REAR COIL 112			67.80	44.80									

FIG. 6

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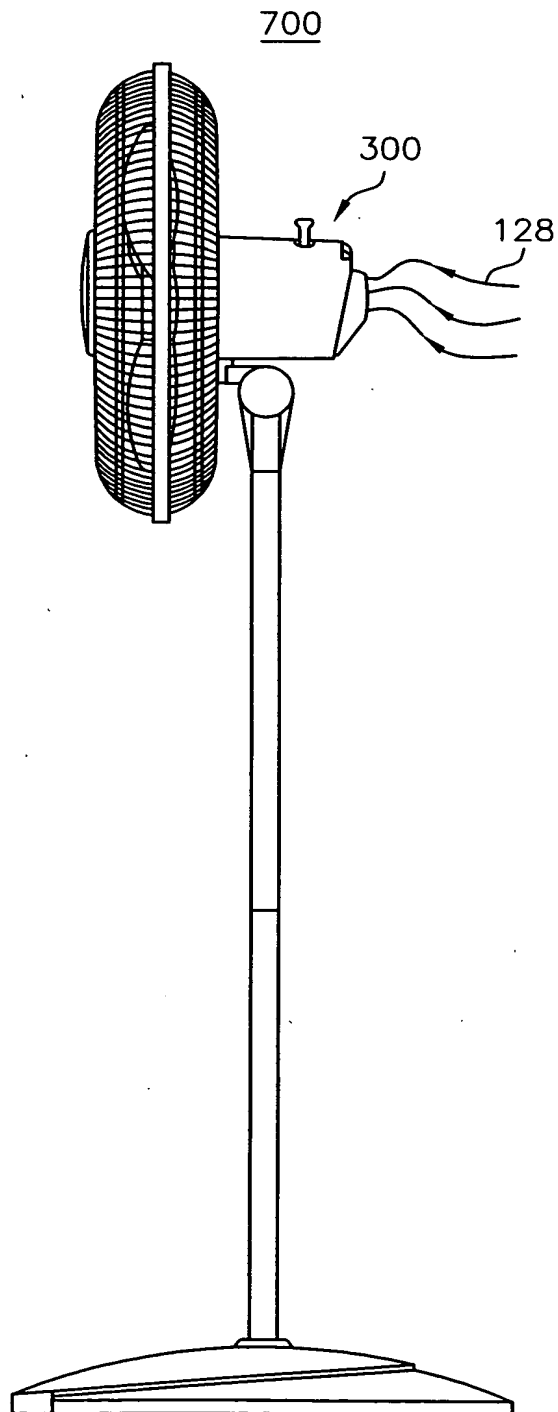


FIG. 7